

**MSE1206**  
**100M Unmanaged Industrial Ethernet Switch**  
**6 Base-T RJ45 with 2 Base-X optical fiber**



Product Highlight :

- Supports full duplex or half duplex modes with automatic negotiation capabilities
- The average trouble-free work of more than 300,000 hours
- Support DC12-52V
- Industrial temperature of  $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- Lightning surge protection (power supply) : 5000A(8/20 s)

MSE1206 is an unmanaged industrial Ethernet switch interconnects device on an industrial network using Ethernet to transmit and receive data among endpoints. Such equipment may also known a hardened Ethernet switch, Industrial-grade switch, ruggedized Ethernet switch. Support ingress protection codes (IP codes) IP40, MSE1206 is much simpler to operate than a managed switch, it does not offer configuration, monitoring, or control capabilities of a managed switch.

The metal rail design is widely used, can mount to industrial control equipment rack. It has a working temperature of  $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ , adapt to various harsh environments, and can also be conveniently placed in a compact control box. The installation characteristics of guide rail, wide temperature operation, enclosure and LED indicator light with IP40 protection grade make MSE1206 a plug and play industrial-grade equipment, providing reliable and convenient solutions for users' Ethernet equipment networking.

MSE1206 are designed for use in such demanding applications as railways, water treatment, substation automation, roads and tunnels, as well as factory automation, IP surveillance and building automation systems(BMS)

**Hardware Specification**

Ports	6 RJ45 port +2 optical fiber interface: 10/100BASE-T (X) automatic detection, full/half duplex MDI/MDI-X adaptive; 100BaseFX port (SC/FC/ST/SFP optional)
Network protocol	IEEE802.3 10BASE-T IEEE802.3i 10Base-T; IEEE802.3u; 100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x; IEEE802.3af, IEEE802.3at
Applicable standards	EMI :FCC Part 15 Subpart B Class A, EN 55022 Class A EMS: IEC(EN)61000-4-2(ESD) : ±8kV contact discharge, ±15kV air discharge IEC(EN)61000-4-3(RS) : 10V/m(80 ~ 1000MHz) IEC(EN)61000-4-4(EFT) : power: ±4kV ; data cable: ±2kV IEC(EN)61000-4-5(Surge) : power: ±4kV CM/±2kV DM ; data cable: ±2kV IEC(EN)61000-4-6(radio frequency transmission) : 3V(10kHz ~ 150kHz), 10V(150kHz ~ 80MHz) IEC(EN)61000-4-16(Common-mode transmission) : 30V cont. 300V, 1s IEC(EN)61000-4-8 Shock : IEC 60068-2-27 Vibration : IEC 60068-2-6
Power	input: DC12-52V (Double power redundancy backup) Access terminal: Phoenix terminal power dissipation < 3W
certification	CE, FCC, ISO9001:2008
Working environment	Working temperature : -40 ~ 85 °C (-40 ~ 185 °F) Storage temperature : -40 ~ 85 °C (-40 ~ 185 °F) Relative humidity : 5% ~ 95% (NON-condensation)
Size	120*88.5*44mm
Weight	0.64Kg
Mean failover time	300,000 hours
Protection grade	IP40

**Product Dimensions**



**Production Packaging**

Item	Detail
Switch	1 pcs
Suspension Loop	2 pcs
AC Power Line	1 pcs
Package Size	140*140*80mm

**Order Information**

**Product Description**

- 6 Base-T RJ45 with 2 Base-X optical fiber with SC
- 6 Base-T RJ45 with 2 Base-X optical fiber with ST
- 6 Base-T RJ45 with 2 Base-X optical fiber with FC

**Order Code**

- MSE1206
- MSE1206-ST
- MSE1206-FC